WHAT IS CLAIMED IS:

- 1. A concentrated phosphorus fertilizer comprising a buffered composition comprising an organic acid and salts thereof and a phosphorous-containing acid and salts thereof, such that when said composition is diluted with water, there is formed a substantially fully solubilized use-dilution fertilizer having a foliage-acceptable pH for phosphorus uptake.
- The phosphorus fertilizer of claim 1 wherein said phosphorouscontaining acid is selected from the group consisting of phosphorous acid, hypophosphorous acid, polyphosphorous acid, and polyhypophosphorous
 acid.
 - 3. The phosphorus fertilizer of claim 1 wherein said organic acid is selected from the group consisting of dicarboxylic acids and tricarboxylic acids.
- 4. The phosphorus fertilizer of claim 3 wherein said organic acid is 15 citrate.
 - 5. The phosphorus fertilizer of claim 1 wherein said use-dilution fertilizer has a pH of about 5.0 to about 7.0.
 - 6. The phosphorus fertilizer of claim 1 wherein said use-dilution fertilizer has a pH of about 5.5 to about 6.5.
- 7. The phosphorus fertilizer of claim 1 wherein said water has a pH of about 6.5 to about 8.5.
 - 8. The phosphorus fertilizer of claim 1 that is essentially clear and devoid of precipitate.
- 9. The phosphorus fertilizer of claim 1 wherein said use-dilution fertilizercomprises a ratio of said concentrated phosphorus fertilizer to said water of

about 1: 40 to about 1:600.

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- 10. The phosphorus fertilizer of claim 1 wherein said phosphoruscontaining acid is present in an amount of about 30 to about 40 weight percent.
- 5 11. A concentrated phosphorus fertilizer comprising a buffered composition comprising an organic acid and salts thereof, a phosphorous-containing acid and salts thereof, and copper, such that when said composition is diluted with water, there is formed a use-dilution fertilizer having a foliage-acceptable pH for phosphorus uptake.
- 10 12. A concentrated phosphorus fertilizer for irrigation application, said fertilizer comprising a buffered composition comprising an organic acid and salts thereof and a phosphorous-containing acid and salts thereof, said composition having a pH less than about 2.5.
- 13. The phosphorus fertilizer of claim 12 having a pH of less than about15.
 - 14. A method of providing phosphorus to a plant comprising diluting a concentrated phosphorus fertilizer comprising a buffered composition comprising an organic acid and salts thereof and a phosphorous-containing acid and salts thereof with water to form a substantially fully solubilized use-dilution fertilizer having a foliage-acceptable pH for phosphorus uptake, and applying said use-dilution fertilizer to the foliage of said plant.
 - 15. The method of claim 14 wherein said phosphorous-containing acid is selected from the group consisting of phosphorous acid, hypophosphorous acid, polyphosphorous acid, and polyhypophosphorous acid.
- 25 16. The method of claim 14 wherein said organic acid is selected from the group consisting of dicarboxylic acids and tricarboxylic acids.

- 17. The method of claim 16 wherein said organic acid is citrate.
- 18. The method of claim 14 wherein said water has a pH of about 6.5 to about 8.5.
- 19. The method of claim 14 wherein said use-dilution fertilizer comprises a ratio of said concentrated phosphorus fertilizer to said water of about 1: 40 to about 1:600.
 - 20. The method of claim 14 wherein said use-dilution fertilizer has a pH of about 5.0 to about 7.0.
- 21. The method of claim 14 wherein said use-dilution fertilizer has a pH of about 5.5 to about 6.5.
 - 22. The method of claim 14 wherein said plant is a citrus or avocado plant.
- 23. A method of providing phosphorus to a plant comprising distributing a liquid concentrated phosphorus fertilizer comprising a buffered composition
 15 comprising an organic acid and salts thereof and a phosphorous-containing acid and salts thereof through an irrigation system and delivering said fertilizer to soil near said plant, said fertilizer having a pH less than about 2.5.
- 24. The method of claim 23 wherein said fertilizer has a pH of less than20 about 1.5.